

LOCAL NOTICE TO MARINERS

U.S. Department
of Transportation

United States
Coast Guard



WEEKLY SUPPLEMENT

ISSUED BY: COMMANDER ELEVENTH COAST GUARD DISTRICT (oan)
Coast Guard Island, Building 50-6, Alameda, California 94501-5100
Telephone: Day: (510) 437-2976 24 Hour FAX: (510) 437-5836
For subscription information and other questions, comments and suggestions,
call QM2 Daniel Chase at (510) 437-2981
Boating Safety Classes or Information: 1-800-869-SAIL (7245)

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated by BNM 0441-00 to BNM 0463-00 has been incorporated in this notice if still significant.

LIGHT LIST REFERENCE: COMDTPUB P16502.6 LIGHT LIST, VOLUME VI 1999 Edition

USE OF THE LOCAL NOTICE TO MARINERS

With the exceptions of Sections II, III, and VI, the Weekly Supplemental editions contain only new information available in the past seven days. For all available information concerning the waterways of the Eleventh Coast Guard District, consult Monthly Edition 27-00.

I. SPECIAL NOTICES

LORAN-C STATUS AS OF 11 July 2000.

Loran-C stations for 8290/9940 Chains are on air. For information regarding the Loran-C System, contact the Coordinator of Chain Operations West Coast at (707) 765-7590.
LNM 28/00 dated 11 July 2000.

dGPS STATUS AS OF 11 July 2000.

For information regarding the dGPS system, or for status updates contact the Petaluma Control Center at (707) 765-7612/ 7613.
LNM 28/00 dated 11 July 2000.

II. DISCREPANCIES / DISCREPANCIES CORRECTED AS OF 0800T 11 July 2000

DISCREPANCIES: (bold type and * denote new information since last LNM)

LLNR	NAME OF AID	STATUS	CHARTS AFFECTED	BNM REF.	LNM REF.
210.00	Point Arguello Light	REDUCED INTEN/FOG SIG INOP	18720	0293-00	20-00
213.00	NOAA Environmental LB 46011	EXTINGUISHED	18700	0320-00	21-00
360.00	San Francisco LHB SF	RACON INOPERATIVE	18680	0440-00	27-00
475.00	Punta Gorda Lighted Whistle Buoy 24	OFFSTATION	18620	0393-00	26-00
1720.00	San Diego Lighted Mooring Buoy 19	IMPROPER CHARACTERISTICS	18773	0109-00	08-00
2600.00	Begg Rock Lighted Whistle Buoy 4BR	EXTINGUISHED	18755	0187-00	14-00
3155.00	Los Angeles SW Slip Danger Buoy	MISSING	18751	0899-99	52-99
3765.00	Santa Barbara Harbor Light 4	FOG SIGNAL INOPERATIVE	18725	0938-98	52-98
3880.00	Morro Bay Channel Buoy 10	MISSING	18703	0339-00	22-00
4690.00	Oakland Inner Harbor North Ch LT 2	EXTINGUISHED	18649	0377-00	24-00
4955.00	San Bruno Shoal Channel Light 3	MISSING	18651	0294-00	20-00
5365.00	Emeryville Marina Light 2	EXTINGUISHED	18649	0325-00	21-00
5370.00	Emeryville Marina Light 3	EXTINGUISHED	18649	0326-00	21-00
5380.00	Emeryville Marina Light 5	IMPROPER CHARACTERISTICS	18649	0327-00	21-00
5385.00	Emeryville Marina Light 6	EXTINGUISHED	18649	0328-00	21-00
5395.00	Emeryville Marina Light 8	EXTINGUISHED	18649	0329-00	21-00
5725.00	Richmond Harbor Channel Light 9	LEANING	18649	0628-99	37-99
6020.00	Petaluma River Entrance Ch. Lt. 10	REDUCED INTENSITY	18654	0250-00	17-00
6185.00	Napa River Range Front Light 14	LEANING	18654	0561-99	33-99
7620.00	Sacramento River Buoy 2	MISSING	18661	0318-00	20-00
8475.00	Lake Tahoe Emerald Bay Buoy 4	MISSING	18665	0345-00	23-00
8480.00	Lake Tahoe Buoy 24	MISSING	18665	0463-00	28-00*
8490.00	Lake Tahoe Buoy 28	MISSING	18665	0348.00	22-00

DISCREPANCIES CORRECTED

None.

III. TEMPORARY CHANGES/TEMPORARY CHANGES CORRECTED - ESTABLISHED/DISCONTINUED AIDS

11 July 2000

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON
THE WORLD WIDE WEB AT WWW.NAVCEN.USCG.MIL

LNM 28/00

2054.00	Sweetwater Channel Light 4	TRLB	18773	0229-00	16-00
3116.00	Los Angeles Main Channel LB 8	TEMPORARILY RELOCATED	18751	0032-00	04-00
3772.00	Santa Barbara HBR Lighted Buoy 5A	TRUB	18725	0146-00	10-00
3855.10	Morro Bay Channel Lighted Buoy 4A	TEMPORARILY ESTABLISHED	18703	0110-00	08-00
5770.00	Richmond-San Rafael BR E. Ch. LB 1	TEMPORARILY RELOCATED	18649	0037-00	04-00
6395.00	Seal Islands Channel Daybeacon 3	TRUB	18656	0571-99	34-99
8035.00	Tomales Bay Buoy 3	TRUB	18643	0781-98	43-98
8255.00	Samoa Channel Light 4	TRLB	18622	0478-99	29-99
8260.00	Samoa Turning Basin Lighted Buoy 6	TRLB	18622	0309-99	19-99
8330.00	Hookton Channel Light 10	TRLB	18622	0598-99	37-99
8585.00	Lake Tahoe Restricted Area DBN L	TRUB	18665	0702-98	40-98

TEMPORARY CHANGES CORRECTED:

None.

IV. CHART CORRECTIONS

18010	18 th ed.	07/12/1997	NAD 83	Last LNM: 24/00		(CGD11)	28/00
	CA – MONTEREY BAY TO COOS BAY						
	Relocate	Pillar Point Harbor Approach Lighted Horn Buoy PP			from	37°28'19.030"N 122°30'51.580"W	
					to	37°28'20.000"N 122°30'49.500"W	
						(CGD11)	28/00
18022	31 st ed.	03/13/1999	NAD 83	Last LNM: 19/00			
	CA – SAN DIEGO TO SAN FRANCISCO BAY						
	Relocate	Pillar Point Harbor Approach Lighted Horn Buoy PP			from	37°28'19.030"N 122°30'51.580"W	
					to	37°28'20.000"N 122°30'49.500"W	
						(CGD11)	28/00
18622	51 st ed.	05/22/1993	NAD 83	Last LNM: 29/99			
	CA – HUMBOLDT BAY						
	Relocate	Humboldt Bay Lighted Bell Buoy 7			from	40°45'21.452"N 124°13'37.223"W	
					to	40°45'21.024"N 124°13'38.245"W	
	Relocate	Humboldt Bay Lighted Buoy 9			from	40°45'50.513"N 124°13'25.853"W	
					to	40°45'25.657"N 124°13'25.076"W	
	Relocate	Humboldt Bay Lighted Bell Buoy 5			from	40°45'25.452"N 124°13'54.224"W	
					to	40°45'25.455"N 124°13'52.192"W	
						(CGD11)	28/00
18645	22 nd ed.	04/04/1992	NAD 83	Last LNM: 25/00			
	CA – GULF OF THE FARALLONS						
	Relocate	Pillar Point Harbor Approach Lighted Horn Buoy PP			from	37°28'19.030"N 122°30'51.580"W	
					to	37°28'20.000"N 122°30'49.500"W	
						(CGD11)	28/00
18652	40 th ed.	07/29/1995	NAD 83	Last LNM : 24/00			
	CA - SAN FRANCISCO BAY - SOUTHERN PART						
	Delete	Mayfield Slough Daybeacon 4				37°27'59.100"N 122°05'52.300"W	
		Mayfield Slough Daybeacon 12				122°05'58.800"W	
		Mayfield Slough Daybeacon 24				122°06'02.600"W	
	Relocate	Carquinez strait Lighted Buoy 25			from	38°01'59.280"N 122°09'41.470"W	
					to	38°01'59.716"N 122°09'42.879"W	
						(CGD11)	28/00
18656	51 st ed.	09/11/1999	NAD 83	Last LNM: 25/00			
	CA – SUISUN BAY						
	Relocate	Carquinez strait Lighted Buoy 25			from	38°01'59.280"N 122°09'41.470"W	
					to	38°01'59.716"N 122°09'42.879"W	
						(CGD11)	28/00
18657	17 th ed.	07/03/1999	NAD 83	Last LNM: 35/99			
	CA – CARQUINEZ STRAIT						
	Relocate	Carquinez strait Lighted Buoy 25			from	38°01'59.280"N 122°09'41.470"W	
					to	38°01'59.716"N 122°09'42.879"W	
						(CGD11)	28/00
18680	28 th ed.	07/05/1997	NAD 83	Last LNM: 15/00			
	CA – POINT SUR TO SAN FRANCISCO						
	Relocate	Pillar Point Harbor Approach Lighted Horn Buoy PP			from	37°28'19.030"N 122°30'51.580"W	
					to	37°28'20.000"N 122°30'49.500"W	
						(CGD11)	28/00
18682	13 th ed.	03/03/1990	NAD 83	Last LNM: 29/96			
	CA – HALF MOON BAY						
	Relocate	Pillar Point Harbor Approach Lighted Horn Buoy PP			from	37°28'19.030"N 122°30'51.580"W	
					to	37°28'20.000"N 122°30'49.500"W	

V. ADVANCE NOTICE OF CHANGES IN AIDS TO NAVIGATION

NORTHERN CALIFORNIA - HUMBOLDT BAY - AID CHANGE - The U. S. Coast Guard will change the Humboldt Bay Entrance Front and Rear Range. Anticipate completion September 2000.

8165	Humboldt Bay Entrance Range Front Light	40°45.1'N/ 124°13.6'W	Q G	25ft	KRW on pile. Visible 1.5°each side of
	rangeline				
8170	Humboldt Bay Entrance Range Rear Light	40°44.9'N/ 124°13.5'W	Oc G 4s	42ft	KRW on pile. Visible 1.5°each side of
	rangeline				

Advance Notice of Changes (Cont'd)

CALIFORNIA- TRAFFIC SEPARATION SCHEME OFF SAN FRANCISCO- SOUTHERN APPROACH- The Coast Guard will be amending the existing Traffic Separation Schemes (TSS's) off San Francisco effective at **1700T on 14 July 00**. The amendment includes a shift of the southern approach of the TSS off

San Francisco westward to provide a true north/south alignment. The amended southern approach is described by the following geographic coordinates: (see enclosure (1))

Amendment to the Southern Approach TSS Off San Francisco:

(a) A separation zone is bounded by a line connecting the following geographical positions:

Latitude	Longitude
37°39.10'N	122°40.40'W
37°27.00'N	122°40.40'W
37°27.00'N	122°43.00'W
37°39.10'N	122°43.00'W

(b) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
37°39.30'N	122°39.20'W
37°27.00'N	122°39.20'W

Advance Notice of Changes (Cont'd)

(c) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
37°27.00'N	122°44.30'W
37°39.40'N	122°44.30'W

The next printing of applicable NOAA charts will accurately reflect this change. **For more information contact Lieutenant junior grade Matt ten Berge, Aids to Navigation Operations officer, (510) 437-2969; email rtenberge@d11.uscg.mil; or write to the address above.**
Chart: 18645 LNM 28/00 dated 11 July 2000.

CALIFORNIA- TRAFFIC SEPARATION SCHEME IN THE SANTA BARBARA CHANNEL- The Coast Guard will be amending the existing Traffic Separation Schemes (TSS's) in the Santa Barbara Channel **effective at 1700T on 14 July 00**. The amendment includes extending the existing TSS in the Santa Barbara Channel 18 nautical miles westward beyond Point Conception to Point Arguello. The extended TSS is described by the following:

TSS extension in the Santa Barbara Channel: Between Point Conception and Point Arguello.

(a) A separation zone is bounded by a line connecting the following geographical positions: (see enclosure (1)).

Latitude	Longitude
34°20.90'N	120°30.16'W
34°18.90'N	120°30.96'W
34°25.70'N	120°51.81'W
34°23.75'N	120°52.51'W

(b) A traffic lane for westbound traffic is established between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
34°21.80'N	120°29.96'W
34°26.60'N	120°51.51'W

(c) A traffic lane for eastbound traffic is established between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
34°18.00'N	120°31.16'W
34°22.80'N	120°52.76'W

The next printing of applicable NOAA charts will accurately reflect this change. **For more information contact Lieutenant junior grade Matt ten Berge, Aids to Navigation Operations officer, (510) 437-2969; email rtenberge@d11.uscg.mil; or write to the address above.**
Chart: 18720 LNM 28/00 dated 11 July 2000.

NORTHERN CALIFORNIA - SAN FRANCISCO - BUOY RELOCATION - Due to the amending of the Traffic Separation Scheme the San Francisco South Traffic Lane Lighted Buoy S (LLNR 345) will be relocated to position 37°39'00"N/ 122°41'42"W. This new position properly marks the relocated southern approach lane. This relocation is scheduled to occur on or about **14 July 2000**.

VI. PROPOSED CHANGES IN AIDS TO NAVIGATION

NORTHERN CALIFORNIA-REQUEST FOR COMMENTS-SAN FRANCISCO APPROACH LIGHTED HORN BUOY "SF"-The Coast Guard is proposing to discontinue the horn on San Francisco Approach Lighted Horn Buoy "SF". Any questions or comments can be directed to LTjg Matt ten Berge at (510) 437-2969 or write to the address above.
Chart: 18649

VII. GENERAL INFORMATION

All times are given in local time, represented by the time followed by (T).

SOUTHERN CALIFORNIA – SANTA BARBARA CHANNEL – UNDERWATER OPERATIONS – The M/V AMERICAN PATRIOT will be conducting underwater pipeline inspection work from **July 13 to July 27, 2000**. Operations will take place from platform Heritage to platform Harmony, platform Harmony to platform Hondo, platform Harmony to shore, and platform Hondo to shore. For further details or comments contact Jack Cover at (805) 488-6428.
LNM 28/00 dated 11 Jul 2000

General Info (Cont'd)

SOUTHERN CALIFORNIA – LONG BEACH HARBOR – DREDGING OPERATIONS – Mason Construction will be conducting dredging operations in the vicinity of berths B82 and B83. The Dredge Barge NJORD will be onscene with the scow EASTPORT. Work is scheduled to **begin on 17 July, 2000 and scheduled to end 24 July 2000**. Mariners are advised to use caution when transiting the area. For further details or comments contact Larry Liles at (562) 432-6918.

11 Jul 2000

LNM 28/00

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SOUTHERN CALIFORNIA – LONG BEACH HARBOR – DRAG BARGE OPERATIONS – Drag Barge operations are taking place in the vicinity of the Long Beach Harbor Approach Channel **through November 2000**. The Tug AMERICAN SPIRIT will be pushing a barge with a 30 ton drag blade lowered to the bottom. Mariners are advised to contact VTS Long Beach to arrange passage. For further details or comments contact Mark Epping of American Marine at (310) 547-0919.

Chart: 18751 LNM 28/00 dated 11 Jul 2000

SOUTHERN CALIFORNIA – PLATFORM GAIL – MOORING OVERHAUL – Fairweather Marine LLC will be conducting mooring systems overhaul in the vicinity of Platform Gail **through August 10, 2000**. The M/V VICTORY SEAHORSE will be working on a 24-hour basis. Mariners are advised to use caution when transiting the area. For further details or comments contact Richard Troutman at (805) 704-7465.

Charts: 18721, 18725 LNM 28/00 dated 11 Jul 2000

SOUTHERN CALIFORNIA – PORT HUENEME – JETTY REPAIRS – Connolly Pacific has installed two barge moorings inside the West Jetty at Port Hueneme. All moorings are temporary and **will be removed by October 2000**. Mariners are advised to stay well clear of these barges and to use caution when transiting the area. For further details or comments contact Michael Ellis at (562) 577-0717.

Chart: 18725 LNM 28/00 dated 11 Jul 2000

SOUTHERN CALIFORNIA – MORRO BAY – BREAKWATER REPAIR – Connolly-Pacific Co. will be starting to repair the South Breakwater at Morro Bay Harbor. The construction is scheduled **to run until the end of October 2000**. Mariners are advised to use caution when transiting the area. For further details or comments contact Michael Ellis at (562) 577-0717.

Chart: 18703 LNM 28/00 dated 11 Jul 2000

NORTHERN CALIFORNIA – MONTEREY BAY – TEMPORARY MOORINGS - During the period **from July 17, 2000 to Sept 21, 2000** a total of 12 temporary moorings, 4 Autonomous Underwater Vehicles (AUV) and 8 underwater gliders will be conducting Oceanographic Research for Monterey Bay Aquarium Research Institute (MBARI), Scripps Institute of Oceanography and University of Washington. The area of operations will be the northern half of Monterey Bay to Davenport and out 20nm. All ships will be monitoring Ch 16. For further details or comments contact MBARI at (831) 775-1768.

Chart: 18685 LNM 28/00 dated 11 Jul 2000

BRIDGE INFORMATION - DISCREPANCIES AND CORRECTIONS -

Questions regarding bridge operations, regulations or permit applications, please contact: Eleventh Coast Guard District Bridge Section, Coast Guard Island, Building 50-6, Alameda, CA 94501-5100 Phone: (510) 437-3514.

SOUTHERN CALIFORNIA – SAN DIEGO BAY – CORNONADO BRIDGE. Seismic retrofit activity is in progress at the bridge. Platform work continues on non-channel Piers 5-8 and 22. Footing work continues on piers 14-17 and 21. Mariners are advised to transit these areas with minimum wakes to reduce any unsafe working conditions at the bridge.

Chart: 18773

NORTHERN CALIFORNIA - OAKLAND ESTUARY/SAN LEANDRO BAY - PARK STREET, MILLER SWEENEY AND BAYFARM ISLAND BRIDGES.

Vertical clearance gauges have been restored at all Estuary bridges, as well as the Bayfarm Island Highway and Bicycle bridges

Charts: 18649, 18650, 18652

NORTHERN CALIFORNIA - OAKLAND ESTUARY/SAN LEANDRO BAY. The County of Alameda has requested Coast Guard review of the drawbridge operating regulations for the following drawbridges across the Oakland Inner Harbor Tidal Canal (Estuary): Park Street, mile 7.3; High Street, mile 8.1; Fruitvale Avenue Highway, mile 7.7 and Fruitvale Avenue Railroad, mile 7.7.

The proposal is to adjust periods when the draws need not open for passage of vessels to more accurately accommodate existing highway traffic "rush hour" needs.

An analysis of highway traffic flow indicates securing all estuary bridges in the closed-to-navigation period Monday through Friday, between 8 a.m. and 9 a.m. and between 4:30 p.m. and 6:30 p.m. would contribute significantly to enhance the flow of existing rush hour highway traffic.

Present regulations allow the bridges to remain closed Monday through Friday, between 7:30 a.m. and 8:30 a.m. and between 3:45 p.m. and 5:45 p.m.

The Coast Guard will proceed with the regulation change process, including publication of the proposed regulation in the Federal Register, and documentation of all public comments.

If approved, the change would result in a shift of the closure periods without changing the duration. The bridges would continue to open expeditiously for emergency waterway traffic.

Comments are requested from the navigation community, in writing on the proposal and potential resultant impacts to the mariner. Please provide written comments to Commander, Eleventh Coast Guard District (oan-2), Coast Guard Island, Alameda, CA 94501-5100. You may also contact Mr. Jerry Olmes, Project Manager, by telephone at 510-437-3515 if additional information is needed.

Charts: 18649, 18650, 18652

NORTHERN CALIFORNIA – PETALUMA RIVER – PETALUMA RIVER (TWIN) U.S. 101 HIGHWAY BRIDGE. The green center of channel light on the downstream bridge is extinguished.

Charts: 18652, 18654

GENERAL – SAFETY AT BRIDGE CONSTRUCTION SITES. Most bridges in the San Francisco Bay Area are undergoing seismic retrofit. Two proposed new bridges may be constructed. Construction and retrofit activities at these bridges will involve the use of scaffolds, temporary trestles, and marine construction equipment. General information about construction activities will be provided in the weekly publication of this Local Notice to Mariners. Immediate information will be provided by Broadcast Notice to Mariners. On some projects, mariners may contact the bridge via marine radio channel 13, in advance, to determine conditions at the bridge and if necessary, have scaffolding moved for safe passage of navigation. Commercial vessels are requested to provide VTS with "air draft," and their vertical clearance requirement to assist the bridges in anticipating the need for moving scaffolding. Mariners are advised to transit the work site with minimum wake to reduce unsafe working conditions at the bridge

VIII. CORRECTIONS TO LIGHT LIST, VOLUME VI: PACIFIC COAST AND PACIFIC ISLANDS 1999:

(*Denotes the column in which a correction has been made or new information added.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
No.	Name and location	Position	Characteristic	Height	Range	Structure	Remarks

CALIFORNIA - Eleventh District

500	NOAA Environmental Lighted Buoy 46022 *	40-45.2 124-31.1	FI (4) Y 20s	6	Yellow disk-shaped buoy. 28/00		
3000.1	-Pier J Breakwater Front Range Light	33-44.2 118-11.7	Iso G 6s	59	On building.	Private aid.	28/00
				*		*	
3009.2	-Pier J Breakwater Rear Range Light 270°T, 140 yds from Front Range Light		Iso G 6s	74	On building.	Private aid.	28/00
				*		*	
8185.0	-Lighted Bell Buoy 7	40-45.4 124-13.6 *	FI G 4s	4	Green.		28/00

IX. ADDITIONAL ENCLOSURES

Enclosure(1) San Francisco and Santa Barbara Traffic Separation Schemes.

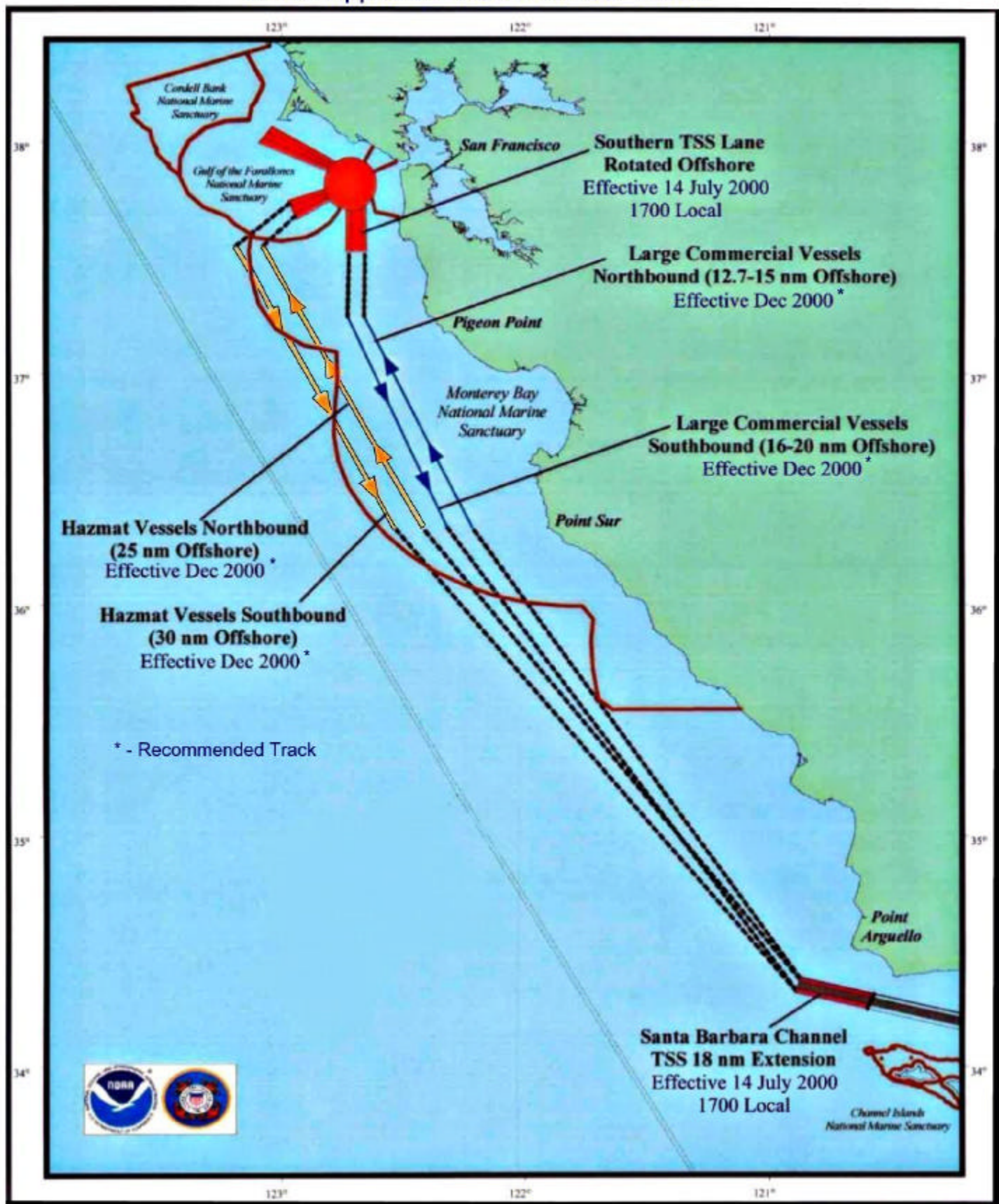
R. G. BRUNKE
Chief, Aids to Navigation
Waterways Management Branch

11 Jul 2000

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LNМ 28/00

Changes To San Francisco & Santa Barbara Traffic Separation Schemes & IMO Approved Recommended Tracks



Glossary of common Local Notice to Mariners terms

APP - Approach	LNM – Local Notice to Mariners
BY - Buoy	LT - Light
BB - Bell Buoy	LWB - Lighted Whistle Buoy
BNM – Broadcast Notice to Mariners	LWP – Left Watching Properly
BR - Bridge	MB - Mooring Buoy
BRKW - Breakwater	MHW – Mean High Water
CFR – Code of Federal Regulations	MKR BY - Marker Buoy
CH - Channel	MLLW – Mean Lower Low water
COLREGS – International Regulations for Preventing Collisions at Sea	MSO – Marine Safety Office
COLREGS DEMARCATION LINE – The separation of international and inland waterways	M/V – Motor Vessel
CRK - Creek	N - North
DB – Derrick Barge	NM – Nautical Mile
DBN - Daybeacon	NMS – National Marine Sanctuary
DEG - Degree	Northern California – From Point Conception north to California/Oregon state line
dGPS – Differential Global Positioning System	NPS - National Park Service
DOLPHIN – A cluster of pilings	NWR – National Wildlife Refuge
DWSC - Deep Water Ship Channel	PT – Point
E - East	Q – Quick
EBB – Tidal current toward the sea	RACON – Radar Beacon
ENT - Entrance	RB – Regulatory Buoy
F - Fixed	RCK – Rock
FENDER – The protection system at a bridge	RF LT – Range Front Light
FL - Flashing	RIV – River
FLOOD – Tidal current toward the shore	RR – Railroad
FS/ FOGSIG - Fog Signal	RR BR – Railroad Bridge
GB - Gong Buoy	RR LT – Rear Range Light
GPS – Global Positioning System	SLGH – Slough
HB - Horn Buoy	S – South
HBR - Harbor	Southern California – South of Point Conception to the California/Mexico Border
HWY BR – Highway bridge	SPD – Speed
IS - Island	SOFFIT – The “low steel” or other point restricting vertical clearance on a bridge
LB - Lighted Buoy	TRLB – Temporary Lighted Buoy
LBB - Lighted Bell Buoy	TRUB – Temporary Unlighted Buoy
LDG - Landing	USC – United States Code
LEAF – The movable portion of a bascule bridge	VTS – Vessel Traffic Service
LGB - Lighted Gong Buoy	W – West
LHB - Lighted Horn Buoy	WB – Whistle Buoy
LK - Lake	WHF – Wharf
LLNR – Light List Number	WR – Wreck
LMB - Lighted Mooring Buoy	

In addition, there are numerous definitions and explanations of terms in the light list, COMDTPUB P16502.6 light list, Volume VI, 1999 edition. The light list is for sale by:

Superintendent of Documents
U.S. Government Printing Office
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